



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

PLAN APPROVAL

Issue Date: March 23, 2004

Effective Date: March 23, 2004

Expiration Date: September 30, 2005

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to construct, install, modify or reactivate the air emission source(s) more fully described in the site inventory list. This Facility is subject to all terms and conditions specified in this plan approval. Nothing in this plan approval relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each plan approval condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated as "State-Only" requirements.

Plan Approval No. 06-05069C

Federal Tax Id - Plant Code: 23-1315454-1

Plan Approval Description

This plan approval involves the construction and modification of various air contamination source at a lead/acid storage battery manufacturing facility.

Owner Information

Name: EAST PENN MANUFACTURING COMPANY, INC.

Mailing Address: DEKA RD PO BOX 147

PO BOX 147

LYON STATION, PA 19536

Plant Information

Plant: EAST PENN MFG CO INC/BATTERY ASSEMBLY

Location: 06 Berks County

06953 Richmond Township

SIC Code: 3691 Manufacturing - Storage Batteries

Responsible Official

Name: TROY GREISS

Title: DIR, ENVL HEALTH & SAFETY

Phone: (610) 682 - 6361

Plan Approval Contact Person

Name: ERIC G PEFTEL

Title: ENV H&S ENGINEER

Phone: (610) 682 - 6361

[Signature] _____

LEIF ERICSON, SOUTHCENTRAL REGION AIR PROGRAM MANAGER



Section A. Table of Contents

Section A. Facility/Source Identification

Table of Contents
Plan Approval Inventory List

Section B. General Plan Approval Requirements

- #001 Definitions
- #002 Future Adoption of Requirements
- #003 Plan Approval Temporary Operation
- #004 Content of Applications
- #005 Public Records and Confidential Information
- #006 Plan Approval Extensions
- #007 Transfer of Plan Approvals
- #008 Inspection and Entry
- #009 Plan Approval Changes for Cause
- #010 Circumvention
- #011 Submissions
- #012 Risk Management

Section C. Site Level Requirements

- C-I: Restrictions
- C-II: Testing Requirements
- C-III: Monitoring Requirements
- C-IV: Recordkeeping Requirements
- C-V: Reporting Requirements
- C-VI: Work Practice Standards
- C-VII: Additional Requirements
- C-VIII: Compliance Certification
- C-IX: Compliance Schedule

Section D. Source Level Requirements

- D-I: Restrictions
- D-II: Testing Requirements
- D-III: Monitoring Requirements
- D-IV: Recordkeeping Requirements
- D-V: Reporting Requirements
- D-VI: Work Practice Standards
- D-VII: Additional Requirements

Note: These same sub-sections are repeated for each source!

Section E. Source Group Restrictions

- E-I: Restrictions
- E-II: Testing Requirements
- E-III: Monitoring Requirements
- E-IV: Recordkeeping Requirements
- E-V: Reporting Requirements
- E-VI: Work Practice Standards
- E-VII: Additional Requirements

Section F. Alternative Operating Scenario(s)

- F-I: Restrictions
- F-II: Testing Requirements
- F-III: Monitoring Requirements
- F-IV: Recordkeeping Requirements



Section A. Table of Contents

F-V: Reporting Requirements
F-VI: Work Practice Standards
F-VII: Additional Requirements

Section G. Emission Restriction Summary

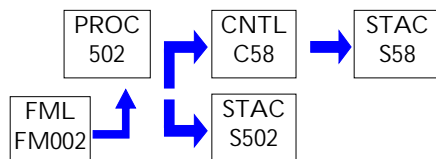
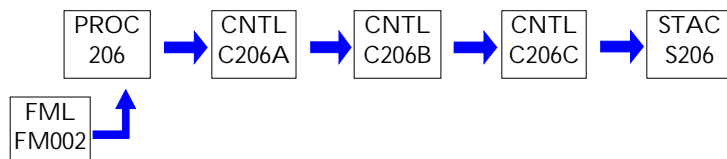
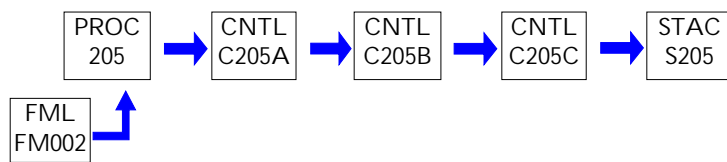
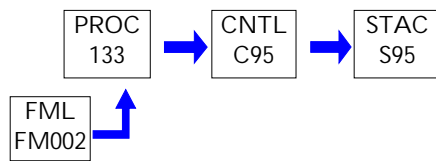
Section H. Miscellaneous



Section A. Plan Approval Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
133	A-2 GRID CASTING		
205	LEAD OXIDE MILL #17		
206	LEAD OXIDE MILL #18		
502	A-2 SMALL PARTS CASTING		
C205A	CYCLONE: OXIDE MILL #17		
C205B	FABRIC COLLECTOR: OXIDE MILL #17		
C205C	HEPA: OXIDE MILL #17		
C206A	CYCLONE: OXIDE MILL #18		
C206B	FABRIC COLLECTOR: OXIDE MILL #18		
C206C	HEPA: OXIDE MILL #18		
C58	FARR TENKAY 120 L		
C95	SCIENTIFIC FC #3 SYSTEM (LOWER LEVEL) A-2		
FM002	NATURAL GAS PIPELINE		
S205	STACK: OXIDE MILL #17		
S206	STACK: OXIDE MILL #18		
S502	STACK: A-2 SMALL PARTS CASTING		
S58	A-2 BATT ASSBLY-FARR		
S95	GROUP ASSEMBLY #3 SYSTEM (LOWER LEVEL) A-2		

PERMIT MAPS



Section B. General Plan Approval Requirements

#001 [25 Pa. Code § 121.1]

Definitions

Words and terms that are not otherwise defined in this plan approval shall have the meanings set forth in Section 3 of the Air Pollution Control Act (35 P.S. § 4003) and 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 127.12b (a) (b)]

Future Adoption of Requirements

The issuance of this plan approval does not prevent the future adoption by the Department of any rules, regulations or standards, or the issuance of orders necessary to comply with the requirements of the Federal Clean Air Act or the Pennsylvania Air Pollution Control Act, or to achieve or maintain ambient air quality standards. The issuance of this plan approval shall not be construed to limit the Department's enforcement authority.

#003 [25 Pa. Code § 127.12b]

Plan Approval Temporary Operation

This plan approval authorizes temporary operation of the source(s) covered by this plan approval provided the following conditions are met.

(a) When construction, installation, modification, or reactivation is being conducted, the permittee should provide written notice to the Department of the completion of the activity approved by this plan approval and the permittee's intent to commence operation at least five (5) working days prior to the completion of said activity. The notice shall state when the activity will be completed and when the permittee expects to commence operation. When the activity involves multiple sources on different time schedules, notice is required for the commencement of operation of each source.

(b) Pursuant to 25 Pa. Code § 127.12b (d), temporary operation of the source(s) is authorized to facilitate the shakedown of sources and air cleaning devices, to permit operations pending the issuance of a permit under 25 Pa. Code Chapter 127, Subchapter F (relating to operating permits) or Subchapter G (relating to Title V operating permits) or to permit the evaluation of the air contaminant aspects of the source.

(c) This plan approval authorizes a temporary operation period not to exceed 180 days from the date of commencement of operation, provided the Department receives notice from the permittee pursuant to paragraph (a), above.

(d) The permittee may request an extension of the 180-day shakedown period if further evaluation of the air contamination aspects of the source(s) is necessary. The request for an extension should be submitted, in writing, to the Department at least 15 days prior to the end of the initial 180-day shakedown period and shall provide a description of the compliance status of the source, a detailed schedule for establishing compliance, and the reasons compliance has not been established. This temporary operation period will be valid for a limited time and may be extended for additional limited periods, each not to exceed 120 days.

If, at any time, the Department has cause to believe that air contaminant emissions from the sources listed in this plan approval may be in excess of the limitations specified in, or established pursuant to this plan approval or the permittee's operating permit, the permittee may be required to conduct test methods and procedures deemed necessary by the Department to determine the actual emissions rate. Such testing shall be conducted in accordance with 25 Pa. Code Chapter 139, where applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the company that testing is required.

#004 [25 Pa. Code § 127.12(a) (10)]

Content of Applications

The permittee shall maintain and operate the sources and associated air cleaning devices in accordance with good engineering practice as described in the plan approval application submitted to the Department.

#005 [25 Pa. Code §§ 127.12(c) and (d) & 35 P.S. § 4013.2]

Public Records and Confidential Information

(a) The records, reports or information obtained by the Department or referred to at public hearings shall be available to the public, except as provided in paragraph (b) of this condition.

(b) Upon cause shown by the permittee that the records, reports or information, or a particular portion thereof, but not

Section B. General Plan Approval Requirements

emission data, to which the Department has access under the act, if made public, would divulge production or sales figures or methods, processes or production unique to that person or would otherwise tend to affect adversely the competitive position of that person by revealing trade secrets, including intellectual property rights, the Department will consider the record, report or information, or particular portion thereof confidential in the administration of the act. The Department will implement this section consistent with sections 112(d) and 114(c) of the Clean Air Act (42 U.S.C.A. § § 7412(d) and 7414(c)). Nothing in this section prevents disclosure of the report, record or information to Federal, State or local representatives as necessary for purposes of administration of Federal, State or local air pollution control laws, or when relevant in a proceeding under the act.

#006 [25 Pa. Code § 127.13]

Plan Approval Extensions

(a) This plan approval will be valid for a limited time, as specified by the expiration date contained on Page 1 of this plan approval. Except as provided in § § 127.11a and 127.215 (relating to reactivation of sources; and reactivation), at the end of the time, if the construction, modification, reactivation or installation has not been completed, a new plan approval application or an extension of the previous approval will be required.

(b) If construction has commenced, but cannot be completed before the expiration of this plan approval, an extension of the plan approval must be obtained to continue construction. To allow adequate time for departmental action, a request for the extension should be postmarked at least thirty (30) days prior to the expiration date. The Department will not issue an extension after the plan approval expires. The request for an extension should include the following:

- (i) A justification for the extension,
- (ii) A schedule for the completion of the construction

If construction has not commenced before the expiration of this plan approval, then a new plan approval application must be submitted and approval obtained before construction can commence.

(c) If the construction, modification or installation is not commenced within 18 months of the issuance of this plan approval or if there is more than an 18-month lapse in construction, modification or installation, a new plan approval application that meets the requirements of 25 Pa. Code Chapter 127, Subchapter B (related to plan approval requirements), Subchapter D (related to prevention of significant deterioration of air quality), and Subchapter E (related to new source review) shall be submitted.

#007 [25 Pa. Code § 127.32]

Transfer of Plan Approvals

(a) This plan approval may not be transferred from one person to another except when a change of ownership is demonstrated to the satisfaction of the Department and the Department approves the transfer of the plan approval in writing.

(b) Section 127.12a (relating to compliance review) applies to a request for transfer of a plan approval. A compliance review form shall accompany the request.

(c) This plan approval is valid only for the specific source and the specific location of the source as described in the application.

#008 [25 Pa. Code § 127.12(4) & 35 P.S. § 4008 & § 114 of the CAA]

Inspection and Entry

(a) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act.

(b) The permittee shall also allow the Department to have access at reasonable times to said sources and associated air cleaning devices with such measuring and recording equipment, including equipment recording visual observations, as the Department deems necessary and proper for performing its duties and for the effective enforcement of the Air Pollution Control Act and regulations adopted under the act.

(c) Nothing in this plan approval condition shall limit the ability of the Environmental Protection Agency to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

**Section B. General Plan Approval Requirements**

#009 [25 Pa. Code 127.13a]

Plan Approval Changes for Cause

This plan approval may be terminated, modified, suspended or revoked and reissued if one or more of the following applies:

- (a) The permittee constructs or operates the source subject to the plan approval in violation of the act, the Clean Air Act, the regulations promulgated under the act or the Clean Air Act, a plan approval or permit or in a manner that causes air pollution.
- (b) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.
- (c) The permittee fails to submit a report required by this plan approval.
- (d) The Environmental Protection Agency determines that this plan approval is not in compliance with the Clean Air Act or the regulations thereunder.

#010 [25 Pa. Code §§ 121.9 & 127.216]

Circumvention

- (a) The permittee, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.
- (b) No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of this plan approval, the Air Pollution Control Act or the regulations promulgated thereunder, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#011 [25 Pa. Code § 127.12c]

Submissions

Reports, test data, monitoring data, notifications shall be submitted to the:

Regional Air Program Manager
PA Department of Environmental Protection
(At the address given on the plan approval transmittal letter or otherwise notified)

#012 [25 Pa. Code § 127.12(9) & 40 CFR Part 68]

Risk Management

- (a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).
- (b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the listed threshold quantity at the facility. The permittee shall submit the RMP to the Environmental Protection Agency according to the following schedule and requirements:
 - (1) The permittee shall submit the first RMP to a central point specified by the Environmental Protection Agency no later than the latest of the following:
 - (i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
 - (ii) The date on which a regulated substance is first present above a threshold quantity in a process.
 - (2) The permittee shall submit any additional relevant information requested by the Department or the Environmental Protection Agency concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR §



Section B. General Plan Approval Requirements

68.190.

(3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.

(c) As used in this plan approval condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

**SECTION C. Site Level Requirements****I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

No person may permit the emission into the outdoor atmosphere of fugitive air contaminants from a source other than the following:

- a. Construction or demolition of buildings or structures.
- b. Grading, paving and maintenance of roads and streets.
- c. Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- d. Clearing of land.
- e. Stockpiling of materials.

Sources and classes of sources other than those identified in paragraphs (a) - (e), for which the operator has obtained a determination from the Department in accordance with 25 Pa. Code Section 123.1(b) that fugitive emissions from the source, after appropriate control, meet the following requirements:

- (i) The emissions are of minor significance with respect to causing air pollution; and
- (ii) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

002 [25 Pa. Code §123.2]

Fugitive particulate matter

No person shall permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in the preceding permit Condition #001, Section C, if such emissions are visible at the point the emissions pass outside the person's property.

003 [25 Pa. Code §123.31]

Limitations

No person shall emit any malodorous air contaminants into the outdoor atmosphere from any source in such a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

II. TESTING REQUIREMENTS.

004 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions may be measured by using either of the following:

1. A device approved by the Department and maintained to provide accurate opacity measurements.
2. Observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall notify the Reading District Office of the initial startup of each new source and the completion of each

**SECTION C. Site Level Requirements**

modification.

006 [25 Pa. Code §127.12b]
[Plan approval terms and conditions.](#)

The permittee shall within thirty (30) days after any source testing, required by this approval, shall submit to the Regional Air Quality Program Manager three (3) copies of the completed test report, including all operating conditions, for approval. The copies should be sent to: 1005 Cross Roads Blvd., Reading, Pa 19605.

007 [25 Pa. Code §127.12b]
[Plan approval terms and conditions.](#)

At least thirty (30) days prior to the test, the Regional Air Quality Program Manager shall be informed of the date and time of any testing.

008 [25 Pa. Code §127.12b]
[Plan approval terms and conditions.](#)

At least sixty (60) days prior to any tests, the permittee shall submit to the Department for approval, the procedures for the tests and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.

009 [25 Pa. Code §139.1]
[Sampling facilities.](#)

Upon the request of the Department, the permittee shall provide adequate sampling ports, safe sampling platforms and adequate utilities for the performance by the Department of tests on such source. The Department will set forth, in the request, the time period in which the facilities shall be provided as well as the specifications for such facilities.

III. MONITORING REQUIREMENTS.

010 [25 Pa. Code §127.12b]
[Plan approval terms and conditions.](#)

The permittee shall conduct a weekly inspection of the sources covered by this approval during the daylight hours when the sources are in production to detect visible emissions, fugitive emissions and malodors as follows:

- a. Visible emissions in excess of the limits specifically stated in this approval in Section D. Visible emissions may be measured according to the methods specified in Condition #004, Section C. As an alternative, facility personnel who observe such visible emissions shall report each incident to the Department within two hours of each occurrence and make arrangements for a certified observer to read the visible emissions.
- b. Presence of visible fugitive emissions and fugitive particulate matter beyond the plant property boundaries as a result of the operation of these sources, as stated in Condition #002, Section C.
3. Presence of odors from these sources beyond the facility property boundaries that have the potential to be malodorous as stated in Condition #003, Section C.

IV. RECORDKEEPING REQUIREMENTS.

011 [25 Pa. Code §127.12b]
[Plan approval terms and conditions.](#)

The permittee shall maintain a logbook for recording the status of fugitive, visible and odorous emissions observed. The

**SECTION C. Site Level Requirements**

logbook shall include the name of the facility representative, the date and time the monitoring was conducted; wind direction and the results of the inspection.

V. REPORTING REQUIREMENTS.

012 [25 Pa. Code §127.12b]
[Plan approval terms and conditions.](#)

[Additional authority for this permit condition is derived from 25 PA Code Chapters 122 and 40 CFR Part 60 Sections 60.19]

The permittee shall report malfunctions of the sources in this approval to the Department. As defined in 40 CFR Sections 60.2 and incorporated by reference in 25 Pa. Code Chapters 122, a malfunction is any sudden, infrequent and not reasonably preventable failure of the air pollution control equipment, process equipment, or process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions. Malfunctions shall be reported as follows:

Malfunctions of the sources in this approval which pose an imminent danger to public health, safety, welfare and environment, shall be reported immediately to the Department by telephone. The telephone report of such malfunctions shall occur no later than two (2) hours after the incident. The permittee shall submit a written report of such malfunctions to the Department within three (3) days of the telephone report.

Unless otherwise required by this permit, any other malfunction that is not subject to the reporting requirements above, shall be reported to the Department, in writing, within five (5) days of the discovery of the malfunction.

013 [25 Pa. Code §127.12b]
[Plan approval terms and conditions.](#)

The permittee shall notify the Reading District Office of the initial startup of each new source and the completion of each modification.

VI. WORK PRACTICE REQUIREMENTS.

014 [25 Pa. Code §123.1]
[Prohibition of certain fugitive emissions](#)

The permittee shall take all reasonable actions to prevent particulate matter from the sources identified in Condition #001, Section C from becoming airborne. These actions shall include, but not be limited to, the following:

1. Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads or the clearing of land.
2. Application of asphalt, oil, water or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.
3. Paving and maintenance of roadways.
4. Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water or other means.

VII. ADDITIONAL REQUIREMENTS.

015 [25 Pa. Code §123.42]
[Exceptions](#)

The limitations of 25 Pa. Code Section 123.41 (relating to limitations) do not apply to a visible emission in any of the following instances:

SECTION C. Site Level Requirements

1. When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
2. When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
3. When the emission results from sources specified in Condition #001, Section C (relating to prohibition of certain fugitive emissions).

016 [25 Pa. Code §129.14]

Open burning operations

No person shall conduct open burning of materials in such a manner that:

- a. The emissions are visible, at any time, at the point such emissions pass outside the property of the person on whose land the open burning is being conducted.
- b. Malodorous air contaminants from the open burning are detectable outside the property of the person on whose land the open burning is being conducted.
- c. The emissions interfere with the reasonable enjoyment of life and property.
- d. The emissions cause damage to vegetation or property.
- e. The emissions are or may be deleterious to human or animal health.

These limits do not apply where the open burning operations result from the following:

- a. A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.
- b. Any fire set for the propose of instructing personnel in fire fighting, when approved by the Department.
- c. A fire set for the prevention and control of disease or pests, when approved by the Department.
- d. A fire set in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation.
- e. A fire set solely for recreational or ceremonial purposes.
- f. A fire set solely for cooking food.

This permit does not constitute authorization to burn solid waste pursuant to Section 610(3) of the Solid Waste Management Act, 35 P. S. Section 6018.610(3), or any other provision of the Solid Waste Management Act.

VIII. COMPLIANCE CERTIFICATION.

No additional compliance certifications exist except as provided in other sections of this permit including Section B (relating to Plan Approval General Requirements).

IX. COMPLIANCE SCHEDULE.

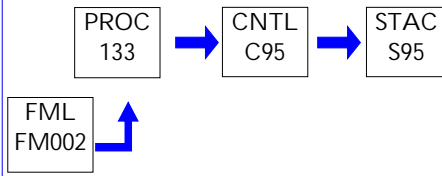
No compliance milestones exist.

**SECTION D. Source Level Requirements**

Source ID: 133

Source Name: A-2 GRID CASTING

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.372]

The permittee shall limit the emissions from each source to the following:

- a. Particulate - 0.001 grains per dry standard cubic foot
- b. Lead - 0.0001 grains per dry standard cubic foot

002 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.372]

The permittee shall operate the source with no visible emissions.

II. TESTING REQUIREMENTS.

003 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.374]

Within sixty (60) days after achieving the maximum production rate at which the sources will be operated, but not later the 180 days after the initial startup of the facility, the permittee shall conduct performance testing as per Sections 60.8 and 60.374 of 40 CFR, Part 60, Subpart KK and Chapter 139 of the rules and regulations of the Department. The testing shall be for lead and visible emissions from the machines.

III. MONITORING REQUIREMENTS.

004 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The permittee shall read and record the pressure differential across each fabric collector and HEPA filter once per week.

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (relating to Plan Approval General Requirements).

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this permit including Section B (relating to Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

005 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

Equipment (a differential manometer or equivalent, as approved by the Department), shall be provided and maintained so that at any time the pressure drop across each fabric collector and/or HEPA filter can be measured.

006 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The permittee shall operate any combustion sources in a manner consistent with good combustion practices.

VII. ADDITIONAL REQUIREMENTS.

007 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

This approval is for the construction of a standard lead/acid battery grid casting machine in Plant A-2, and the modification of a standard lead/acid battery grid casting machine in Plant A-2. The modification involves the relocation of the machine within the plant and exhausting the emissions to an existing fabric collector. Each machine will include a casting machine and lead pot. Each machine is rated at 196 pounds of lead grid per hour.

008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.370]

[Subpart KK - Standards of Performance for Lead-Acid Battery Manufacturing Plants](#)

[Applicability and designation of affected facility.](#)

The grid casters are subject to Subpart KK of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of this Subpart. 40 CFR Section 60.4 requires submission of copies of all requests, reports, applications, submittals and other communications to both EPA and the Department. The EPA copies shall be forwarded to:

Director of Air Protection Division
US EPA, Region III
1650 Arch Street
Philadelphia, Pa 19103-2029

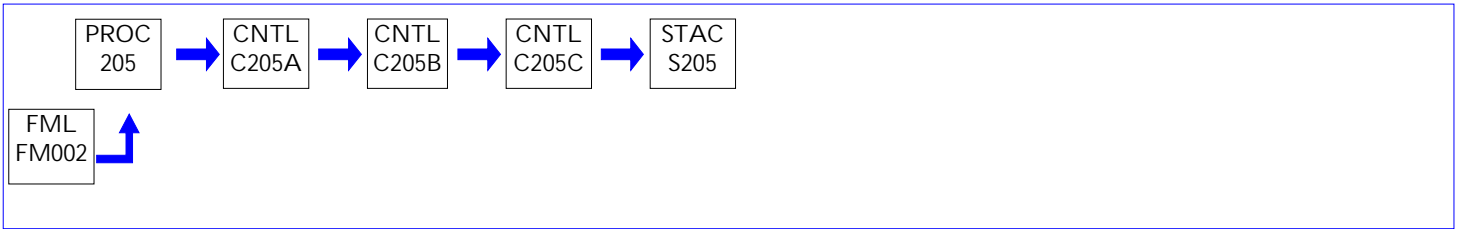
SECTION D. Source Level Requirements

Source ID: 205

Source Name: LEAD OXIDE MILL #17

Source Capacity/Throughput:

This source occurs in the following groups: SG01



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (relating to Plan Approval General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (relating to Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (relating to Plan Approval General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (relating to Plan Approval General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (relating to Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (relating to Plan Approval General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (relating to Plan Approval General Requirements).

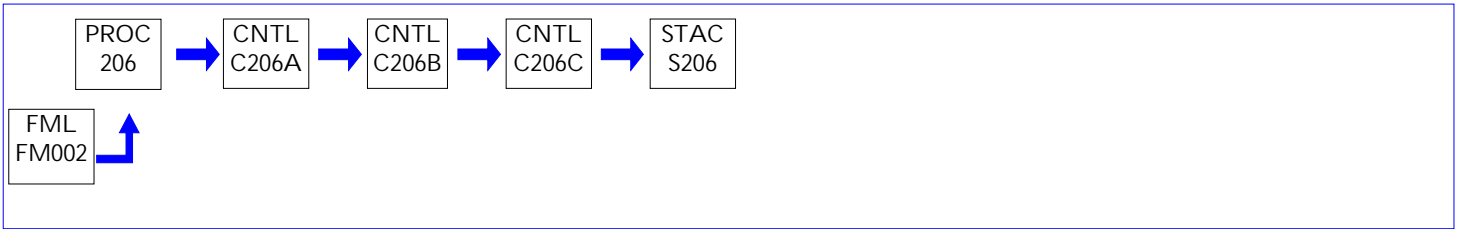
SECTION D. Source Level Requirements

Source ID: 206

Source Name: LEAD OXIDE MILL #18

Source Capacity/Throughput:

This source occurs in the following groups: SG01



I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (relating to Plan Approval General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (relating to Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (relating to Plan Approval General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (relating to Plan Approval General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (relating to Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (relating to Plan Approval General Requirements).

VII. ADDITIONAL REQUIREMENTS.

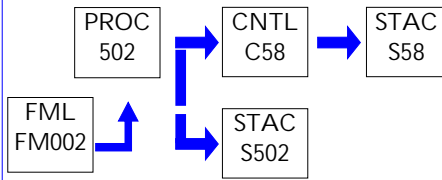
No additional requirements exist except as provided in other sections of this permit including Section B (relating to Plan Approval General Requirements).

SECTION D. Source Level Requirements

Source ID: 502

Source Name: A-2 SMALL PARTS CASTING

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.373]

[Subpart KK - Standards of Performance for Lead-Acid Battery Manufacturing Plants](#)
[Monitoring of emissions and operations.](#)

The permittee shall limit the emissions from the lead pot at all times to the following:

- a. Lead - 0.00044 grains per dry standard cubic foot
- b. Opacity - zero percent

II. TESTING REQUIREMENTS.

002 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.374]

If the permittee chooses to vent the lead pot directly to atmosphere, the permittee shall conduct performance testing within two months of the venting as per Sections 60.8 and 60.374 of 40 CFR, Part 60, Subpart KK and Chapter 139 of the rules and regulations of the Department. The testing shall be for visible emissions from the lead pot.

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (relating to Plan Approval General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (relating to Plan Approval General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (relating to Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

003 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

**SECTION D. Source Level Requirements**

Equipment (a differential manometer or equivalent, as approved by the Department), shall be provided and maintained so that at any time the pressure drop across each fabric collector and/or HEPA filter can be measured.

VII. ADDITIONAL REQUIREMENTS.

004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.370]

Subpart KK - Standards of Performance for Lead-Acid Battery Manufacturing Plants

Applicability and designation of affected facility.

The lead pot is subject to Subpart KK of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of this Subpart. 40 CFR Section 60.4 requires submission of copies of all requests, reports, applications, submittals and other communications to both EPA and the Department. The EPA copies shall be forwarded to:

Director of Air Protection Division
US EPA, Region III
1650 Arch Street
Philadelphia, Pa 19103-2029

**SECTION E. Source Group Restrictions.**

Group Name: SG01

Group Description: Lead Oxide Mills

Sources included in this group:

ID	Name
205	LEAD OXIDE MILL #17
206	LEAD OXIDE MILL #18

I. RESTRICTIONS.**Emission Restriction(s).**

001 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.372]

The permittee shall limit the emission from each mill to the following:

- a. Particulate - 0.01grains per dry standard cubic foot
- b. Lead - 0.010 pounds per ton of lead feed
- c. Lead - 0.057 ton during any consecutive 12-month period

002 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The permittee shall operate the combustion units in a manner consistent with good air pollution control.

003 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.372]

The permittee shall operate the sources with no visible emissions.

II. TESTING REQUIREMENTS.

004 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.374]

Within sixty (60) days after achieving the maximum production rate at which the sources will be operated, but not later the 180 days after the initial startup of the facility, the permittee shall conduct performance testing as per Sections 60.8 and 60.374 of 40 CFR, Part 60, Subpart KK and Chapter 139 of the rules and regulations of the Department. The testing shall be for lead and visible emissions from the mills.

III. MONITORING REQUIREMENTS.

005 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The permittee shall read and record the pressure differential across each fabric collector and HEPA filter once per day.

**SECTION E. Source Group Restrictions.****IV. RECORDKEEPING REQUIREMENTS.**

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (relating to Plan Approval General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (relating to Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

006 [25 Pa. Code §127.12b]
[Plan approval terms and conditions.](#)

Equipment (a differential manometer or equivalent, as approved by the Department), shall be provided and maintained so that at any time the pressure drop across each fabric collector and/or HEPA filter can be measured.

VII. ADDITIONAL REQUIREMENTS.

007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.370]
[Subpart KK - Standards of Performance for Lead-Acid Battery Manufacturing Plants](#)
[Applicability and designation of affected facility.](#)

The oxide mills are subject to Subpart KK of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of this Subpart. 40 CFR Section 60.4 requires submission of copies of all requests, reports, applications, submittals and other communications to both EPA and the Department. The EPA copies shall be forwarded to:

Director of Air Protection Division
US EPA, Region III
1650 Arch Street
Philadelphia, Pa 19103-2029



SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this Plan Approval facility.



SECTION G. Emission Restriction Summary.

No emission restrictions listed in this section of the permit.



SECTION H. Miscellaneous.



***** End of Report *****